

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : **SANYO ELECTRIC CO LTD**

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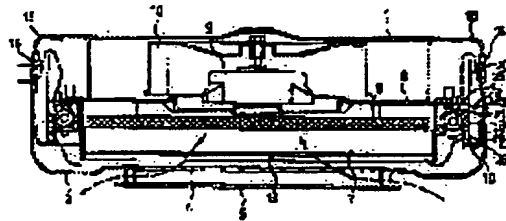
(72)Inventor : **NAKAMURA EIJI**

## (54) **AIR PURIFIER**

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To effectively apply sterilizing and deodorizing action by ultraviolet rays to efficiently sterilize and deodorize air.

**SOLUTION:** In a side case 16, sterilizing and deodorizing air intake ports 18 for taking in air to be sterilized and deodorized are formed and sterilizing and deodorizing chambers 27 are installed adjacent to the sterilizing and deodorizing ports 18. The sterilizing and deodorizing chamber 27 is formed of an ultraviolet lamp 21 supported by a lamp holder 22, a reflection plate 19 installed so as to cover the ultraviolet lamp 21, and the like. The reflection plate 19 is fitted by screws so as to block an intermediate case 6 and a side case 16. Air taken in from the sterilizing and deodorizing air suction port 18 through an air inlet 25 formed in the reflection plate 19 flows into the sterilizing and deodorizing chamber 27. The air that is sterilized and deodorized by the ultraviolet lamp 21 in the sterilizing and deodorizing chamber 27 flows out to a prefilter 13 from the air inlet 26 and joins main air to be purified.



## LEGAL STATUS

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